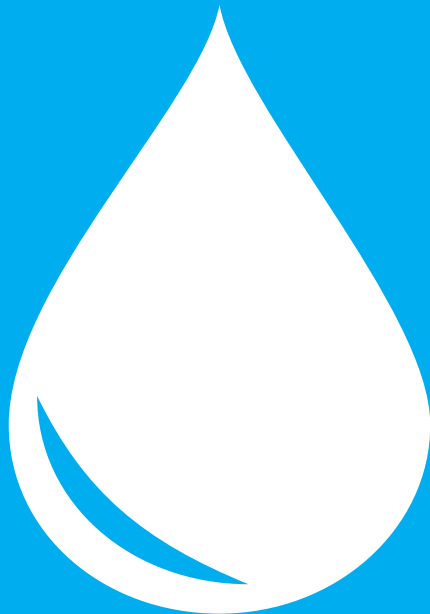




CYPRESS DIAGNOSTICS

English Catalog



To all Healthcare Professionals,

Thank you for your interest. We appreciate it!

Cypress Diagnostics provides the tools and solutions that let clinical laboratories worldwide deliver clear and precise diagnostic results.

We manufacture the equipment needed for handling the samples, analyzers to perform the tests, reagents to carry out the tests and - increasingly often - the software platforms to report the results.

Cypress Diagnostics supplies small and medium-sized clinical laboratories.

We are a quality-oriented company with ISO certification and CE-approved products. Our production facility is located in Hulshout, Belgium. Our products are preferred and appreciated by users in more than 100 countries worldwide.

Cypress Diagnostics is a family-owned business, founded in 1995 in Leuven, Belgium.

We work exclusively with selected and trained distributors. We sell high-quality instruments and customer service is an integral part of our quality policy.

All our products come with an after-sales and performance guarantee.

Please feel free to contact our local distributor for more information.

Our latest inserts and catalogs are downloadable on www.diagnostics.be.

Test the difference!

Kind regards,

The Cypress Diagnostics Team



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Biochemistry



Is it possible to deliver high-standard laboratory services with limited resources?

Yes, it is with Cypress Diagnostics.

All our customers face constant pressure to lower operating costs while sticking to best diagnostic practices. Our solutions can solve your challenges too. Please feel free to contact one of our trained distributors for more information.

Why choose the Cypress Diagnostics biochemistry platform?

1. Ease of use
2. High-accuracy testing
3. Wide range of tests
4. Cost savings
5. Smaller sample volume
6. Versatility
7. Intuitive operation
8. Support

Can I use Cypress Diagnostics reagents with other analyzers?

Yes, you can!

Contact our distributor to get our application sheets for the most common biochemistry automates.

What does Cypress Diagnostics mean by support?

We sell high-quality instruments and customer service is an integral part of our quality policy.

Our distributors get regular training to ensure that they can provide appropriate technical support for reagents and throughout the lifecycle of the analyzers. This includes installation, training, preventive maintenance, technical advice, and support.

The **CYANPro** and **CYANExpert 130** are only distributed by trained distributors.

What is better for me: liquid stable biochemistry reagents or lyophilized reagents?

We advise all our customers to use **liquid** stable biochemistry reagents whenever possible. Liquid reagents offer more flexibility, the per-test price is cheaper on average and most of the time the stability of the working reagent is longer. They also let you prepare the reagents as you need them instead of in function of the pack size.

We strongly advise using lyophilized biochemistry reagents whenever the cold chain is a challenge. Lyophilized kits are more resistant to temperature fluctuations. However, this does not mean that the temperature indications on the products should not be respected!



Semi-Automatic Biochemistry Analyzer



CYANStart

Up to 60 tests/hour

The **CYANStart** is a semi-automatic biochemistry analyzer, our entry-level model. The **CYANStart** is intended for laboratories that focus on quality but have limited budgets, performing a limited number of tests a day.

Cost savings:

- Minimum reaction volume of 500 µl means decreased costs per test
- No consumables required
- Extra items included on delivery (two fuses, five paper rolls and one spare lamp)
- Long life lamp
- Robustness of the analyzer: it guides the user and reduces mistakes

Flexibility:

- On-board printer for printing automatically or on request
- Seven wavelengths (340, 405, 492, 510, 546, 578 & 620 nm filters) cover all clinical diagnostics applications
- Five calculation methods (absorbance, endpoint, two-point, kinetic, bichromatic) and three calibration methods (factor, calibrator, and multi-point calibration) provide plenty of processing options within one system
- Three blank options (sample blank, reagent blank, and water) provide background correction of the reagent and sample coloration

Convenience:

- All Cypress Diagnostics biochemistry reagents are preprogrammed
- 200 open channels are programmable to allow other user-defined tests
- Large font size, easily legible and read with little effort
- Large keypad buttons, easy to use while wearing gloves
- Minimal daily maintenance

Technical Specifications

General:

- Data storage: 200 test methods and 1000 test results
- Flow cell: 32 µl, 10 mm light path
- Halogen lamp: 6V/10W
- Measurement range: 0,000 – 2,500 Abs
- Quality control feature
- Required volume: 500 µl
- Screen size: 240 x 128 pixels
- Voltage: 110/230 V - 50/60 Hz
- Languages: English, French, Spanish

Printer:

- Built-in thermal printer
- Prints graphs
- 24 characters per line

Temperature control:

- Peltier element
- 25 °C, 30 °C, 37 °C, ambient temperature

Weight and dimensions:

- 8,5 kg
- 35 x 40 x 24 cm (L x W x H)

Order code:

- CY004: **CYANStart**



CYANSmart

CE
Up to 60 tests/hour

The **CYANSmart** is an easy-to-operate semi-automatic biochemical analyzer. This new in vitro diagnostic instrument is designed to have powerful features in a compact, independent unit.

Cost savings:

- Minimum reaction volume of 500 µl means decreased costs per test
- Limited consumables required
- Extra items included on delivery (two fuses, five paper rolls a spare lamp and pump tube)
- Integrated incubator, printer, pump, and Flow cell
- Long life lamp, further extended by power saving / standby mode
- Robustness of the analyzer with minimal daily maintenance
- Analyzer guides the user and so reduces mistakes

Flexibility:

- On-board printer for printing automatically or on request printing
- Seven wavelengths (340, 405, 492, 510, 546, 578, and 620 nm filters) cover all clinical diagnostic applications
- Five calculation methods (absorbance, end point, two-point, kinetic, bichromatic) and three calibration methods (factor, calibrator, and multi-point calibration) provide plenty processing options with one system
- Three blank options (sample blank, reagent blank, and water) provide background correction of the reagent and sample coloration

Convenience:

- Easy tracking of all the results from each patient by a unique identifier
- All Cypress Diagnostics biochemistry reagents are preprogrammed on delivery
- 180 open channels are programmable to allow for other user-defined tests
- Memory for up to 6000 sample results
- Large font size, easily legible and read with little effort
- LCD touch screen with virtual alphanumeric keyboard
- Multilingual capability
- Minimal daily maintenance



Technical Specifications

Optical system

- Flow cell: 32 µl, 10 mm light path
- Min. reaction volume: 500 µl per test
- Halogen lamp 6V/10W
- Photo detector: Silicon based (range 300 – 900 nm)
- Measurement range: 0,000 – 3,500 Abs
- Wavelength: 340 – 620 nm
- Wavelength selection: Automatic via 7 interference filters: 340, 405, 492, 510, 546, 578 & 620 nm

Flow cell

- 25 °C, 30 °C, 37 °C, ambient temperature
- Peltier element
- Thermostatic control: PID controlled, $\pm 0,5^{\circ}\text{C}$
- 10 mm

Incubator

- 20 places with 14 mm diameter
- 37 °C
- Thermostatic control: PID controlled, $\pm 1^{\circ}\text{C}$

Display

- Back-illuminated LCD
- Touchscreen calibration possible
- 800 x 480 pixels (screen size: 7 inch)

Printer

- Automatic or on-demand printing
- Built-in thermal printer
- 24 characters per line
- Prints graphs

Power supply

- AC 110/220 V - 50/60 Hz
- Automatic voltage and frequency switch
- Grounding required
- Power: 200 VA, reduced to 140 VA in standby mode
- Power save / Standby mode



Software

- Unique 16 digit patient ID
- Memory: 180 test methods and 6000 sample test results
- Cypress Diagnostics methods preprogrammed on delivery
- Languages: English, French, Spanish
- QC: 2 controls programmable plus a separate QC results menu with (printable) graphs
- Calculation methods: absorbance, end point, two-point, kinetic, bichromatic
- Calibration methods: factor, calibrator and multi-point calibration
- Blank options: sample blank, reagent blank and water
- Incubation time: 0 – 999 seconds
- Reading time: 3 – 999 seconds

Weight and dimensions

- Instrument: 9 kg, 43,5 x 41,5 x 20 cm (H x W x L)
- Packed in box: 12,5 kg, 52 x 43 x 26 cm (H x W x L)

Environmental requirements

- Ambient temperature: 15 °C – 30 °C
- Relative humidity: 30 % - 70 %

Order code:

- CY009: **CYANSmart**

Biochemistry Automation



CYANPro: Batch Analyzer

Average of 80 tests/hour

The **CYANPro** is an automatic analyzer made for expanding laboratories that focus on quality. It is the ideal first step into laboratory automation. Its powerful software will bring almost unlimited capabilities to your lab.

Cost savings:

- Minimum reaction volume of 450 µl means lower costs per test
- Long life bulb
- One of the lowest water consumption figures on the market
- Genuine walk-away automation optimizes the staff time
- Lowest service requirements in its class
- Uses a no maintenance, high precision pipetting diluter
- Robustness based on proven batch and flow cell technology

Convenience:

- Minimal daily maintenance reduces the workload
- Password protected accounts lets it work with different users, each with their own defined tasks and authorizations
- Removable reagent tray allows overnight storage in a refrigerator under validated temperatures
- Software with auto-diagnostic program
- Built-in flags highlight results
- All Cypress Diagnostics biochemistry reagents are preprogrammed on delivery
- Large cuvette segments that are quick and easy to change

Real-time feedback:

- Count down timer to completion
- Clear real-time visual information of running status

Quality Control:

- Automatic generation of Levey-Jennings charts, running mean values and QC statistics
- Built-in flags indicate system checks and abnormalities

Data management:

- Sample-based identification with full patient demographics allows detailed patient printouts
- LIS connectivity lets you push and pull data into the system through ASTM standard
- The large database lets you store an unlimited number of results
- Access codes safeguard the system operation: used by authorized users only
- Test counter for handy reports to the financial department

Flexibility:

- Up to 40 samples
- Seven wavelengths (340, 405, 492, 510, 546, 576 & 620 nm filters) cover all clinical diagnostics kits
- Six calculation methods (absorbance, endpoint, two-point, kinetic, bichromatic, and differential) and nine calibration methods (factor, calibrator, and multi-point calibrations) provide plenty of processing options with one system
- Three blank methods (sample blank, reagent blank, and water) provide background correction of the reagent and sample coloration
- Automated dilution of master calibrator simplifies operations

Software

The **CYANPro** software is more powerful and user friendly than the competition. Our most demanding users will confirm this. The database can store and retrieve results from other analyzers and tests too. It therefore works as a true data "hub" for your laboratory.

The patient database also allows quick searches of the results and produces a full lab report making your operations more convenient, reliable and efficient.

Software Features:

- Unlimited work list
- Quality control
- Sample and calibrator dilution
- Normal values are user definable
- Sample entry for serum/urine
- Visualization and print-out of graphs
- Levey-Jennings graphs for QC data
- Methods, calibrator, and controls database
- Historical patient and calibration database
- Multipoint calibration curves (automated dilution of master calibrator) and corresponding graphs
- Bidirectional interface to host computer and LIS
- Communication: USB 1.1/2.0 full speed and RS-232
- Operating system: Windows 7



Technical Specifications

Operation:

- Up to 200 colorimetric tests/h (max speed)
- Average speed of 80 tests/h
- Runs clinical chemistry and turbidimetric tests
- Batch system
- Large choice of Cypress Diagnostics reagents available
- More than 300 clinical applications programmable

Measurement procedures:

- Initial, endpoint, absorbance, differential, kinetic, bichromatic
- Blank: water, reagent blank, or sample blank
- Calibration: factor, calibrator, and multipoint
- Samples can be loaded by single test or profile
- 7 different calculation algorithms programmed for linear and non-linear multicalibrator analysis

Photometer particulars:

- Multi-wavelength photometer with narrow band interference filters
- Filters (7): 340, 405, 492, 510, 546, 578, 620 nm
- Halogen lamp 6 V/10 W (2000 hours)
- Linear range: 0,000 – 2,500 Abs
- Resolution: 0,001 Abs
- Drift: < 0,003 Abs/hour
- Detector: Silicon photodiode

Flow cell:

- 10 mm light path
- 37 °C temperature controlled (Peltier effect)
- 50 µl internal volume
- Carry-over: 2 % nominal for total volume of 450 - 500 µl of solution
- Body: stainless steel and quartz
- Teflon inlet tube
- Programmable wash cycle in between tests to avoid cross-contamination

Capacity:

- 40 samples (4 segments with 10 sample cups of 0,8 ml)
- 1 removable reagent tray (18 reagent containers of 25 ml each)
- 1 segment for 6 calibrators and 2 controls

Reaction cuvettes:

- 114 disposable reaction cells (6 segments of 19 cells)
- Temperature controlled at 37 °C

Sampling:

- High precision diluter module
- Sample aspiration: 3 - 99 µl with 1 µl increments
- Reagent dispensing: 5 - 997 µl with 1 µl increments
- Maximum reaction volume: 1000 µl
- Minimum reaction volume: 450 µl
- Precision: CV < 1 % at 3 µl

Operating environment:

- In covered and dry places
- Temperature: 18 °C - 32 °C
- Relative humidity: 20 % - 85 %
- Stable surface (no vibrations)
- >10 cm around the instrument to permit air circulation

Weight & dimensions:

- 32 x 45 x 50 cm (H x W x L)
- 22 Kg

Power:

- 110/220 V - 47/63 Hz
- 180 W
- Advised:
Electronic Stabilizer (> 1 kW power potential)
No-Break Module (UPS - Uninterruptible Power Supply)

Order code:

- CY005: **CYANPro**

CYANExpert 130: Random Access

Average of 130 tests/hour



**Delivered with a FREE
starter kit for 14.000 tests!**

The **CYANExpert 130** is a continuous loading, random access automatic biochemistry analyzer. It is our fastest, most convenient, precise and flexible analyzer so far. It includes numerous cost saving features and provides a lot of flexibility to the operator.

The software has advanced data management and QC features. It carries out constant checks to increase the validity of the delivered results and to provide genuine walk-away time. During operations, real-time visual feedback is provided to the operator. The **CYANExpert 130** will reduce the workload and increase the efficiency of your lab.

The **CYANExpert 130** is intended for expanding laboratories that focus on quality and perform up to 800 biochemical and immunoturbidimetric measurements per day.

Cost savings:

- Minimum reaction volume of 220 µl means a decreased costs per test
- Fluid level detection eliminates testing errors due to empty water, washing solution, controls, calibrators, or sample or reagent containers
- Washing station automatically washes the reaction cuvettes
- Separate waste lines reduce hazardous waste
- True walk-away automation optimizes the staff time
- Auto sample re-run eliminates risk of human error
- Low service requirements
- Standby light status, reduces the power consumption and extends the lifespan of the lamp
- Uses a no maintenance, high-precision pipetting diluter
- Two sizes of reagent container reduce the dead volumes
- Limited water consumption

Data management:

- Sample and patient based identification allow quick queries and follow-up statistics
- Sample and reagent barcode identification available as an option
- LIS connectivity lets you push and pull data into the system using the ASTM standard
- Access codes safeguard the system operation by authorized users only

Quality Control:

- Automatic generation of Levey-Jennings charts, running mean values and QC statistics
- Automated QC interpretation and control the analyzer reduce the workload
- Double beam optical system increases the measurement precision
- Cuvettes are quality controlled after washing

Flexibility:

- Up to 32 samples can be loaded continuously
- Shorter turn around time (TAT) enables a patient-focused service
- Priority for STAT tests
- Universal sample carousel loads the most common types of primary tubes
- Eight wavelengths (340, 380, 405, 492, 510, 546, 576 & 620 nm filters) cover all clinical diagnostics kits
- Five calculation methods (absorbance, endpoint, two-point, kinetic, bichromatic) and nine calibration methods (factor, calibrator, point-to-point, and multi-point calibration) provide plenty of processing options with one system
- Three blank options (sample blank, reagent blank, and water) provide background correction of the reagent and sample coloration
- Pre-heated sampling line reduces incubation and TAT time
- Continuous loading
- 120 reaction cuvettes for simultaneous measurements

Convenience:

- Onboard sample and calibrator dilution available
- Analyzer auto-diagnostics provide accurate system information
- No daily maintenance
- Automatic standby function reduces the running costs
- Password protected accounts let you work with different users, each with their own defined tasks and authorizations
- Automatic system check reduces operator workload
- Removable reagent tray permits overnight storage in the refrigerator under validated temperatures
- All washed cuvettes are automatically tested with blank levels

Real-time feedback:

- Count-down timer to completion
- Clear visual information
- Real-time display of running status
- Real-time monitoring of reagent residual volume
- Real-time diagnosis of system working status



Washing station

Optional barcode reader

Dilution cups



Pre-heated sampling line

Calibrators and controls



Reagent containers

Samples: 3 ml cups

Samples: primary tubes

Semi-disposable reading cuvettes

Software

The **CYANExpert 130** is our fastest biochemistry analyzer. With 130 tests per hour in random access it offers a lot of flexibility. It is an effective and reliable analyzer with first class software.

We see the software as the vital element of the **CYANExpert 130**. We have integrated everything we know into the programming. Our goal was to make it easy and intuitive for users to operate.

The following examples highlight the sophistication of the **CYANExpert 130** software:

- The **CYANExpert 130** checks on a per test basis if the volumes of reagent, washing solution, and sample available are sufficient to perform the test. If insufficient volumes are detected, the analyzer will proceed with the remaining workload. The system informs the operator about this. This safeguard lets the operator handle other tasks while the analyzer is working. This safeguard increases productivity of the laboratory staff (multitasking becomes possible), reduces costs (as no analyses will be invalid due to a lack of washing solution, reagents, samples, etc.) and a higher reliability of the results (tests performed without sufficient reagents are excluded).
- The barcode reader and connections to an LIS (Laboratory Information System) and HIS (Hospital Information System) the **CYANExpert's** results can be delivered to all medical units in the medical facility. The medical team can get the information they requested much more quickly. Additionally the system also has a "test counter" to simplify reporting of the activities to the accounting department. The convenience of the data transmission reduces the workload and lets the laboratory focus on its clinical tasks while reducing administrative tasks.
- Reporting is straightforward with the database management software. The users can look up the results by sample ID or patient ID. This option simplifies reporting historical patient results. The lab can forward all the patient's recorded results in a few seconds. This makes the patient's progress clearly visible to the doctors and contributes to better therapeutic choices.

- The **CYANExpert 130** is an intelligent system that performs self-checks. It detects, defines and indicates its own errors. The technical service department can therefore intervene more quickly and arrive with the required spare parts. These functionalities reduce downtime and increase laboratory productivity.
- The instrument performs sample re-runs and dilutions automatically according to the operator's programming. These options allow the laboratory to validate the results better while reducing the workload.

Software features:

- Unlimited work list
- Historical patient results database
- Methods, calibrators, and controls database
- Method programming includes control parameters
- STAT samples
- Quality control and visualization and printout of graphs (Levey-Jennings)
- Sample pre-dilution and automatic dilution in rerun mode
- Automatic rerun programmable
- Reference values are user definable for serum and urine for child, female and male
- Sample entry for serum/urine
- Multipoint calibration curve (automatic dilution of master standard) and relative graphs
- Bidirectional interface with host computer
- Auto-diagnostics program for a system built of different modules
- Communication: USB 1.1/2.0 full speed and RS-232
- Operating system: Windows 7
- Language: English, French; other languages on request
- Screen resolution: 800 x 600 pixels



Technical Specifications

Measurements procedures:

- Endpoint, fixed time, kinetic, bichromatic, absorbance and differential
- Blank: water, reagent blank or sample blank
- Calibration: factor, calibrator and multipoint
- Up to three different reagent additions possible for each method
- Samples can be loaded by single test or profile
- 9 different calculation algorithms programmed for linear and non-linear multipoint analysis

Photometer particulars:

- Multi-wavelength **double beam** photometer with narrow band interference filters
- Filters (8): 340, 380, 405, 492, 510, 546, 576, 620 nm
- Halogen lamp 6 V/10 W (2000 hours)
- Linear range: 0,0005 – 3,5000 Abs
- Resolution: 0,0005 Abs
- Drift: < 0,0001 Abs
- Detector: Silicon diode
- Automatic autozeroing on the sample and reference channel (double beam)

Option:

- Barcode reader for reagents and samples

Operation:

- Random access 130 tests/h**
- Runs clinical chemistry and turbidimetric tests
- Large choice of Cypress Diagnostics reagents available
- Up to 300 clinical applications programmable
- STAT for emergencies

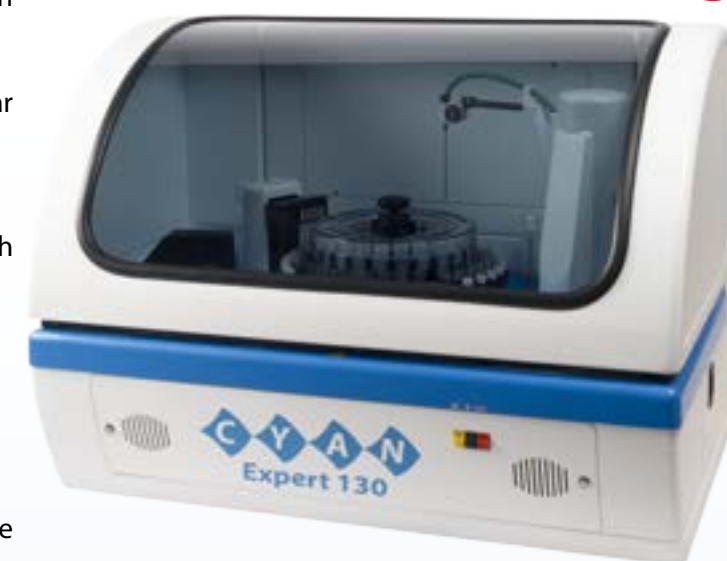
Sampling:

- High precision diluter module
- Sample aspiration: 2 - 99 µl with 1 µl increments
- Reagent 1 volume: 3 - 500 µl with 1 µl increments
- Reagent 2 & 3 volumes: 3 - 330 µl with 1 µl increments
- Minimum reaction volume: 220 µl
- Maximum reaction volume: 550 µl
- Precision: CV < 1 % at 2 µl
- Liquid level sensor
- Preheated sampling line at 37 °C
- Automatic probe wash cycle in between tests to avoid cross-contamination

Weight and dimensions:

- 53 x 57 x 75 cm (H x W x L)
- 37 Kg

Delivered with a FREE starter kit for 14.000 tests!



Cuvettes:

- 120 semi-disposable reading cuvettes (6 racks with 20 positions) with a 6 mm light path
- Automatic washing and drying cycle by the washing station for reusing the cuvettes
- Automatic QC of cuvettes after washing
- Temperature controlled at 37 °C

Capacity:

- 32 sample positions (4 racks with 8 positions) of 3 ml sample cups or primary tubes
- 24 reagent containers (35 ml or 6 ml)
- 12 positions for controls and calibrators

Operating environment:

- In covered and dry places
- Temperature: 18 °C – 32 °C
- Relative humidity: 20 % - 85 %
- Stable surface (no vibrations)
- > 10 cm around the instrument to permit air circulation

Power:

- 110/220 V – 47/63 Hz
- 300 W
- Advised: Electronic Stabilizer (> 1 kW Power potential) No-Break Module (UPS - Uninterruptible Power Supply)

Order code:

- CY008 **CYANExpert 130**

Biochemistry Reagents

Code	Name	Method	Lyophilized	Liquid	Standard included	Packing	CE	T°			Tests per kit on:			Samples					Measurement				
								2 - 8 °C	2 - 25 °C		CYANStart CYANSmart	CYANPro	CYANExpert 130	Serum	Plasma	Urine	Whole blood	CSF	Colorimetric	Ultra violet	End-Point	Multi-Standard	Kinetic

Electrolytes

HB0030	Calcium - MONO reagent	Arsenazo III		•	•	2 x 125 ml	•	•			250	500	1.000	•	•	•			•		•		
HB005	Chloride	Thiocyanate		•	•	2 x 125 ml	•	•			250	500	1.000	•	•	•		•			•		
HB012	Iron	Ferrozine	•		•	4 x 50 ml	•	•			100	250	1.000	•	•				•		•		
HB0320	Magnesium - MONO reagent	Xylidyl Blue		•	•	2 x 125 ml	•		•		250	500	1.000	•	•	•			•		•		
HB014	Phosphorus	Phosphomolybdate method		•	•	2 x 125 ml	•	•			250	500	1.000	•	•	•				•	•		
HB033	Potassium - Enzymatic	Enzymatic		•	•	20 + 5 ml	•	•			NA	NA	100	•						•			•
HB015	Potassium	NaTPB - Prec.		•	•	2 x 50 ml	•	•			100	NA	NA	•	•				•		•		
HB034	Sodium - Enzymatic	Enzymatic		•	•	20 + 10 ml	•	•			33	62	100	•					•				•
HB016	Sodium	Mg-Uranylacetate - Prec.		•	•	60 ml	•	•			60	NA	NA	•					•		•		
HB017	TIBC ¹	Saturation and precipitating reagents		•		100 t	•	•			100	100	100	•	•								

Enzymes

HBE03	α-Amylase	CNPG3		•		20 x 2 ml	•	•			40	88	160	•	•	•			•				•
HBE01	Acid phosphatase	Hillman	•			18 x 2 ml	•	•			36	87	155	•					•				•
HBE12	Alkaline phosphatase Liquid	IFCC		•		60 + 15 ml	•	•			83	156	300	•	•				•				•
HBE10	Creatine Kinase MB	Immunoinhibition	•		C	19 x 2,5 ml	•	•			47	95	190	•	•					•			•
HBEL05	Creatine Kinase MB Liquid	Immunoinhibition		•	C	60 + 15 ml	•	•			75	150	300	•	•					•			•
HBE04	Creatine Kinase NAC	Creatine-phosphate / NAC activated	•			20 x 2,5 ml	•	•			50	100	200	•	•					•			•
HBEL03	Creatine Kinase NAC Liquid	Creatine-phosphate / NAC activated		•		60 + 15 ml	•	•			75	150	300	•	•					•			•
HBE05	γ-GT carboxy	Carboxy substrate	•			15 x 15 ml	•	•			225	548	978	•	•				•				•
HBEL06	γ-GT carboxy Liquid	Carboxy substrate		•		240 + 60 ml	•	•			300	731	1.304	•	•				•				•
HBEL061	γ-GT carboxy Liquid	Carboxy substrate		•		60 + 15 ml	•	•			75	183	326	•	•				•				•
HBE06	GOT ast	Aspartate / α-ketoglutarate IFCC	•			15 x 15 ml	•	•			225	548	978	•	•					•			•
HBEL010	GOT ast Liquid	Aspartate / α-ketoglutarate IFCC		•		240 + 60 ml	•	•			300	731	1.304	•	•					•			•
HBE07	GPT alt	Alanine / α-ketoglutarate IFCC	•			15 x 15 ml	•	•			225	548	978	•	•					•			•
HBEL020	GPT alt Liquid	Alanine / α-ketoglutarate IFCC		•		240 + 60 ml	•	•			300	731	1.304	•	•					•			•
HBE11	G6-PDH	Enzymatic	•			100 + 20 ml	•	•			40	40	40				•			•			•
HBE08	Lactate dehydrogenase	DGKC	•			20 x 3 ml	•	•			66	120	240	•						•			•
HBEL04	Lactate dehydrogenase Liquid	DGKC		•		240 + 60 ml	•	•			333	600	1.200	•						•			•
HBEL041	Lactate dehydrogenase Liquid	DGKC		•		60 + 15 ml	•	•			83	150	300	•						•			•
HBE09	Lipase	Enzymatic		•	•	4 x 10 ml	•	•			40	80	180	•	•				•				•

The choice between liquid or lyophilized enzymatic reagents depends on personal preferences and laboratory working conditions. For this reason, Cypress Diagnostics offers reagents of both types with similar quality, precision and linearity.

LIQUID enzymatic reagents are ready to use. They therefore do not require any pretreatment such as reconstitution of tablets or powder. These ready-to-use kits have the following benefits:

- Time saving: can be used directly after opening
- Exclusion of manual errors: limited handling required
- Economical: no working reagent lost because of expired stability period

This last benefit is perhaps the most important. You avoid losses of working reagent as you have the flexibility to prepare the volume you require for your workload. This is in contrast to lyophilized kits, where you are restricted by the pack volumes. For small laboratories, the pack sizes do not always fit the consumption rate.

Both small laboratories and laboratories working with fully automated biochemistry analyzers enjoy the liquid reagents' benefits.

LYOPHILIZED reagents offer superior temperature stability compared to liquid reagents. Laboratories where continuous storage at the indicated temperature is a challenge should choose lyophilized enzymatic reagents.

All our kits are suitable for automatic and semi-automatic biochemistry analyzers. Applications sheets are available. Please contact your distributor for more details.

¹ Total Iron Binding Capacity, to be used with HB012
C for controls

Code	Name	Method	Lyophilized	Liquid	Standard included	Packing	CE	T°			Tests per kit on:			Samples					Measurement				
								2 - 8 °C	2 - 25 °C		CYANStart CYANSmart	CYANPro	CYANExpert 130	Serum	Plasma	Urine	Whole blood	CSF	Colorimetric	Ultra violet	End-Point	Multi-Standard	Kinetic
Lipids																							
HB006	Cholesterol	CHOD-POD	•		•	2 x 125 ml	•	•			250	500	1.000	•	•				•		•		
HBL010	Cholesterol Liquid	CHOD-POD		•	•	2 x 125 ml	•	•			250	500	1.000	•	•				•		•		
HB007	Cholesterol HDL ²	Phosphotungstic precipitation		•	•	3 x 10 ml	•	•			300	300	NA	•	•								
HB028	Cholesterol LDL	Enzymatic		•	•	30 + 10 ml	•	•			50	80	160	•					•		•		
HB030	Phospholipids	CHO – POD	•		•	10 x 10 ml	•	•			100	200	400	•	•				•		•		
HB018	Total lipids	Phosphovainillin		•	•	2 x 125 ml	•	•			250	NA	NA	•	•				•		•		
HB021	Triglycerides	GPO-POD	•		•	12 x 20 ml	•	•			240	480	960	•	•				•		•		
HBL06	Triglycerides Liquid	GPO-POD		•	•	2 x 150 ml	•	•			300	600	1.200	•	•				•		•		
Substrates																							
HB001	Albumin	Bromocresol green		•	•	1 x 1000 ml	•		•		1.000	1.666	2.500	•	•				•		•		
HB0010	Albumin	Bromocresol green		•	•	2 x 125 ml	•		•		250	416	625	•	•				•		•		
HB0260	Bilirubin direct	DMSO		•		2 x 125 ml	•	•			166	555	1.041	•	•				•		•		
HB0270	Bilirubin total	DMSO		•		2 x 125 ml	•	•			166	416	1.041	•	•				•		•		
HB0020	Bilirubin total & direct	DMSO		•		2 x 125 ml	•	•			2 x 83	277 D 208 T	2 x 520	•	•				•		•		
HB0080	Creatinine	Jaffe		•	•	2 x 125 ml	•		•		250	595	1.041	•	•	•			•				•
HB009	Glucose	GOD-POD	•		•	2 x 125 ml	•	•			250	500	1.000	•					•		•		
HB010	Glucose	GOD-POD	•		•	4 x 250 ml	•	•			1.000	2.000	4.000	•	•			•		•			
HBL04	Glucose Liquid	GOD-POD		•	•	2 x 125 ml	•	•			250	500	1.000	•	•				•		•		
HBL05	Glucose Liquid	GOD-POD		•	•	1 x 1000 ml	•	•			1.000	2.000	4.000	•	•				•		•		
HB011	Haemoglobin (Conc. (x50))	Drabkin		•		4 x 5 ml	•	•			400	1.428	2.000				•		•		•		
HB031	HbA1c	Ion exchange		•		20 t	•		•		20	NA	NA				•		•		•		
HT001	HbA1c Turbidimetric	Turbidimetric		•		1 x 30 ml	•	•			69	90	161				•		•			•	
HB035	Lactate	LO-POD	•			5 x 10 ml	•				50	97	194	•	•				•		•		
HB020	Total prot. Urine & CSF	Pyrogallol red		•	•	2 x 125 ml	•	•			250	500	1.000			•		•	•		•		
HB019	Total protein	Biuret		•	•	1 x 1000 ml	•	•			1.000	2.272	4.098	•	•				•		•		
HB0190	Total protein	Biuret		•	•	2 x 125 ml	•	•			250	568	1.024	•	•				•		•		
HB022	Urea	Berthelot	•		•	4 x 250 ml	•	•			500	1.250	2.500	•	•	•			•		•		
HB029	Urea	Berthelot	•		•	2 x 125 ml	•	•			125	312	625	•	•	•			•		•		
HBL030	Urea Liquid	Urease GLDH - UV		•	•	240 + 60 ml	•	•			300	600	1.200	•	•	•				•			•
HB023	Uric acid	Uricase-POD	•		•	12 x 20 ml	•	•			240	545	960	•	•	•			•		•		
HB024	Uric acid	Uricase-POD	•		•	2 x 125 ml	•	•			250	568	1.000	•	•	•			•		•		
HBL020	Uric acid Liquid	Uricase-POD		•	•	2 x 125 ml	•	•			250	568	1.000	•	•	•			•		•		



Liquid and Lyophilized Reagents



Small and LARGE Pack Sizes



For best results, we recommend Cypress Diagnostics biochemistry kits.
Detailed information about our reagents can be downloaded from our website: www.diagnostics.be

Code	Name	Lyophilized	Liquid	Packing	CE	2 - 8 °C
						⊖

Calibrator

HBS01	Bilirubin total	•		3 x 2 ml	•	•
HBS02	Haemoglobin		•	1 ml	•	•
HBS03	HDL/LDL calibrator	•		4 x 1 ml	•	•
HBC03	Calibrator, human source	•		4 x 3 ml	•	•
HT001S	Calibrator HbA1c (4 levels)	•		4 x 0,5 ml	•	•

Control Sera

HBC01	Normal human sera	•		4 x 5 ml	•	•
HBC04	Normal bovine sera	•		10 x 5 ml	•	•
HBC02	Pathological human sera	•		4 x 5 ml	•	•
HBC07	Lipid control	•		4 x 1 ml	•	•
HBC08	CK (NAC & MB) control	•		4 x 2 ml	•	•
HBC09	G6-PDH control (N + P)	•		4 x 0,5 ml	•	•
HT001C	HbA1c control (2 levels)	•		4 x 0,5 ml	•	•



Hematology



CYANHemato: Hematology Analyzer

Average of 30 tests/hour



The **CYANHemato** is a fully automated, 20-parameter, bench-top hematology cell counter.

The analyzer can process 30 samples per hour in 3-part WBC differential mode.

High-lights:

- **20 hematology parameters**
- 3-part WBC differential
- Only 25 µl whole blood sample needed
- Easy to use
- Color LCD touch screen
- USB connectivity
- Predilution mode
- Automatic daily maintenance
- Large memory
- Effective QC software

Technical Specifications

The analyzer determines the following 20 hematology parameters:

- WBC total white blood cell count
- LYM lymphocyte count
- MON monocyte count
- GRA granulocyte count
- LYM % lymphocyte percentage
- MON% monocyte percentage
- GRA% granulocyte percentage
- HGB hemoglobin
- RBC red blood cell count
- HCT hematocrit
- MCV mean corpuscular volume
- MCH mean corpuscular hemoglobin
- MCHC mean corpuscular hemoglobin concentration
- RDW red blood cell distribution width
- PLT platelet count
- PCT platelet percentage, thrombocrit
- MPV mean platelet volume
- PDW platelet distribution width
- P-LCC platelet large cell count
- P-LCR platelet large cell ratio



Sample volume:

- 25 µl of whole blood in normal mode
- 50 µl of whole blood in pre-diluted mode

Measurement:

- Aperture diameter 70 µm (RBC, PLT, WBC)
- Throughput 30 tests/hour

Reagent requirement:

- Diluent - 20 liters (code: CY006-R01)
- Lyse - 1 liters (code: CY006-R02)
- Cleaner - 1 liters (code: CY006-R03)

Sampling:

- Open tube system
- Automatic sample rotor
- Multiple sample profiles

Cleaning procedure of the aperture:

- High-voltage burn
- High-pressure back-flush
- Chemical cleaning

Calibration:

- Automatic calibration based on ≥ 1 measurement(s)
- Manual calibration using theoretical factors

User interface:

- Easy-to-use
- Full-LCD touch screen
- External keyboard (in option, via USB)
- Languages: English, French, Spanish, Portuguese, and Russian

Memory:

- 10.000 results, with RBC, PLT and WBC 3-part histogram

Printer:

- Built-in thermal printer
- Full report with histograms
- Interface via USB for HP printers

Power:

- 110/220 V - 50/60 Hz
- Advised:
Electronic Stabilizer (> 1 kW Power potential)
No-Break Module (UPS - Uninterruptible Power Supply)

Operation temperature:

- 15 - 30 °C
- In covered and dry places
- Stable surface (no vibrations)

Weight and dimensions:

- 32 x 26 x 36,5 cm (L x W x H)
- 12 kg

Order code:

- CY006: **CYANHemato**

Code	Name	Packing	CE	T°	
				2 - 8 °C	15 - 30 °C

Reagents

CY006-R01	Diluent	20 L	•		•
CY006-R02	Lyse	1 L	•		•
CY006-R03	Cleaner	1 L	•		•

Cleaners

CY006-R04	Hypoclean	1 L	•		•
CY006-R05	Clenz	1 L	•		•
CY006-R06	Hypoclean CC 100ml	100 ml	•		•

Controls

CY006-C01	Control package normal	6 x 2,5 ml	•	•	
CY006-C01A	Control vial normal	1 x 2,5 ml	•	•	
CY006-C02	Control package low/normal/high	18 x 2,5 ml	•	•	
CY006-C02A	Control vial low/normal/high	3 x 2,5 ml	•	•	

All reagents and cleaners have an open bottle stability of 120 days after opening.
 These are the only reagents that are calibrated for the **CYANHemato** (Closed system).

The hematology control values can be uploaded into the **CYANHemato** by USB. You can download these (INI) files from our website.



Coagulation



CYANCoag: Coagulation Analyzer

CE

The **CYANCoag 1Ch** and **CYANCoag 2Ch** are compact and accurate coagulation analyzers. Their mechanical detection system will track the developing coagulum through changes in viscosity. The measurement is therefore totally independent of the sample's turbidity. The measurements are started by a countdown timer, avoiding the extra expenses of a start pipette.

	CYANCoag 1Ch	CYANCoag 2Ch
Advantages		
Detection	Mechanical	
Micro-method	Yes, up to 100 % more tests per kit	
Countdown start	Yes	Yes
Calibration	Calibration free	
Works on	Whole blood and plasma	
Error control	Yes	Yes
Measuring volume	150 - 400 µl	
Measures	PT, PTT / APTT, TT, FIB	PT, PTT / APTT, TT, FIB, LYSE
Open system	Yes	Yes
Technical Specifications		
Measuring channels	1	2
Speed	Up to 60 tests/hour	Up to 120 tests/hour
Incubation positions	5	4
Reagent positions	1 - 5	1
Double determination	-	Yes
Value output	INR, ratio or seconds	%, INR, ratio, mg/dl, g/l or seconds
Calibration curve programming	-	Yes
Incubation timer	1	2
Dimensions (W x H x L)	11,3 x 6,8 x 20,7 cm	13 x 8,5 x 27 cm
Weight	1,1 kg	2,0 kg
Operating voltage	110/220 V, 50 - 60 HZ	
Power consumption	16 VA	20 VA
Shipment includes	Power adaptor, ball dispenser, cuvettes and balls for 500 tests, dust cover, user manual	Power adapter, ball dispenser, 25 reagent containers (20 mm), cuvette racks and balls for 112 tests, dust cover, user manual
Optional	-	Thermal Printer
Order code		
Analyzer	CY003: CYANCoag 1Ch	CY012: CYANCoag 2Ch
Consumables	CY003-C01: Cuvettes and balls for 500 tests	CY012-C01: Cuvette racks + balls, 1000 pcs CY012-C02: Reagent container 20mm, 100 pcs CY012-S04: Thermal Paper CYANCoag 2Ch
Printer	-	CY012-S03 Thermal printer



Code	Name	Method	Lyophilized	Packing	CE	T°	Tests per kit on:		Sample
						2 - 8 °C	CYANCoag	Other analyzers	Plasma

Reagents

HC00100	APTT (Act. Thromboplastin Time)	Act. Cephalin incl 2x10ml CaCl2	•	5 x 4 ml	•	•	400	200	•
HC00200	PT Prothrombin Time	Tissue thromboplastin	•	4 x 5 ml	•	•	200	100	•
HC00300	Fibrinogen	VonClaus method incl 1x120 ml buffer	•	8 x 2 ml	•	•	160	160	•

Control

HC00500	Coagulation Control	Normal + pathological	•	4 x (1+1) ml	•				
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Calibrator

HC00600	Calibrator Fibr/PT	Fibrinogen / PT	•	4 x 1 ml	•				
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Microbiology

Antibiotic susceptibility testing

Code	Name	Content	5 x 50 discs	CE	T° -20 - 8 °C	Code	Name	Content	5 x 50 discs	CE	T° -20 - 8 °C
Antibiotic Discs						19047	Clindamycin	DA2	•	•	•
19004	Amikacin	AK30	•	•	•	19058	Cloxacillin	CX5	•	•	•
19005	Amoxicillin	AX25	•	•	•	19023	Colistin	CT10	•	•	•
19048	Amoxicillin/clavulanic acid	AMC30	•	•	•	19059	Doxycycline	DO30	•	•	•
19006	Ampicillin	AM10	•	•	•	19024	Erythromycin	E15	•	•	•
19031	Ampicillin/sulbactam	SAM20	•	•	•	19109	Fosfomycin	FF200	•	•	•
19105	Azithromycin	AZM15	•	•	•	19099	Furazolidone	FX50	•	•	•
19007	Azlocillin	AZL75	•	•	•	19049	Fusidic acid	FA10	•	•	•
19008	Aztreonam	ATM30	•	•	•	19026	Gentamicin	CN10	•	•	•
19051	Bacitracin	B10	•	•	•	19079	Imipenem	IPM10	•	•	•
19009	Carbencillin	PY100	•	•	•	19095	Imipenem/cilastatin	IMC20	•	•	•
19010	Cefaclor	CEC30	•	•	•	19027	Kanamycin	K30	•	•	•
19052	Cefadroxil	CFR30	•	•	•	19102	Levofloxacin	LEV5	•	•	•
19014	Cefamandole	MA30	•	•	•	19028	Lincomycin	L2	•	•	•
19015	Cefazolin	CZ30	•	•	•	19113	Lomefloxacin	LOM10	•	•	•
19104	Cefepime	FEP30	•	•	•	19068	Meropenem	MEM10	•	•	•
19089	Cefixime	CFM5	•	•	•	19062	Mezlocillin	MEZ75	•	•	•
19108	Cefoperazone	CEP75	•	•	•	19030	Minocycline	MI30	•	•	•
19017	Cefotaxime	CTX30	•	•	•	19103	Moxifloxacin	MXF5	•	•	•
19018	Cefoxitin	FOX30	•	•	•	19001	Nalidixic acid	NA30	•	•	•
19112	Cefprozil	CPR30	•	•	•	19032	Neomycin	N30	•	•	•
19053	Cefsulodin	CFS30	•	•	•	19033	Netilmicin	NET30	•	•	•
19019	Ceftazidime	CAZ30	•	•	•	19034	Nitrofurantoin	F300	•	•	•
19101	Ceftibuten	CBT30	•	•	•	19035	Norfloxacin	NOR10	•	•	•
19054	Ceftizoxime	ZOX30	•	•	•	19063	Novobiocin	NV30	•	•	•
19020	Ceftriaxone	CRO30	•	•	•	19080	Ofloxacin	OFX5	•	•	•
19021	Cefuroxime	CXM30	•	•	•	19012	Optocin	OP5	•	•	•
19011	Cephalexin	CL30	•	•	•	19036	Oxacillin	OX1	•	•	•
19013	Cephalothin	KF30	•	•	•	19002	Oxolinic acid	OA2	•	•	•
19055	Cephradine	CE30	•	•	•	19065	Oxytetracycline	T30	•	•	•
19022	Chloramphenicol	C30	•	•	•	19091	Pefloxacin	PEF5	•	•	•
19057	Cinoxacin	CIN100	•	•	•	19037	Penicillin	P10	•	•	•
19056	Ciprofloxacin	CIP5	•	•	•	19003	Pipemidic acid	PI20	•	•	•
19098	Clarithromycin	CLR15	•	•	•	19038	Piperacillin	PRL100	•	•	•
						19100	Piperacillin/tazobactam	TPZ110	•	•	•



Code	Name	Content	5 x 50 discs	CE	T° -20 - 8 °C	Code	Name	Content	5 x 50 discs	CE	T° -20 - 8 °C
19016	Pristinamycin	PT15	•	•	•	Antimycotic Discs					
19066	Polymixin B	PB300	•	•	•	19071	Amphotericin B	AMB20	•	•	•
19039	Rifampin	RA5	•	•	•	19097	Clotrimazole	CLT50	•	•	•
19060	Roxitromycin	ROX30	•	•	•	19072	Econazole	ECO10	•	•	•
19046	Sisomycin	SIS10	•	•	•	19069	Fluconazole	FLU25	•	•	•
19067	Spectinomycin	SPT100	•	•	•	19074	Griseofulvin	GRS10	•	•	•
19088	Spiramycin	SP100	•	•	•	19107	Itraconazole	ITR50	•	•	•
19040	Streptomycin	S10	•	•	•	19075	Ketoconazole	KTC10	•	•	•
19041	Sulfisoxazole	ST300	•	•	•	19076	Metronidazole	MET5	•	•	•
19084	Sulphamethoxazole	SMZ50	•	•	•	19077	Miconazole	MCZ10	•	•	•
19050	Teicoplanin	TEC30	•	•	•	19078	Nystatin	NY100	•	•	•
19043	Tetracycline	TE30	•	•	•						
19070	Ticarcillin	TIC75	•	•	•						
19096	Ticarcillin/clavulanic acid	TIM85	•	•	•						
19044	Tobramycin	TOB10	•	•	•						
19110	Trimethoprim	TMP5	•	•	•						
19042	Trimethoprim/sulphamethoxazole	SXT25	•	•	•						
19082	Tylosin	TY30	•	•	•						
19045	Vancomycin	VA30	•	•	•						



Available!
Antibiotic disc dispenser for 8 cartridges
(code: CL019A)

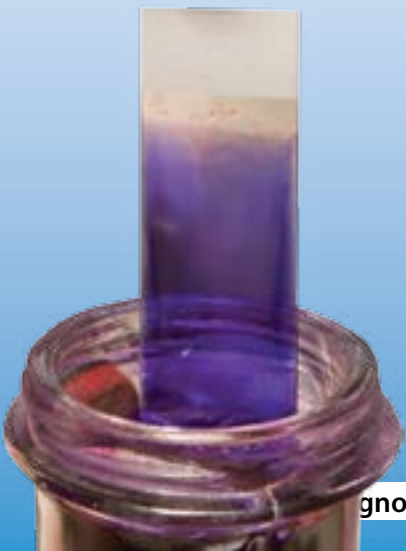


Culture Media

Code	Name	Packing	CE	T° 10 - 30 °C
610033	Mueller Hinton Agar	500 g dehydrated	•	•

Stains

Code	Name	Detection of / Method	Packing	CE	Liquid	15 - 25 °C
						°
Bacteriology Stains						
HS015	Carbol Fuchsin	Alcohol-acid resistant Mycobacteria (TB)	1000 ml	•	•	•
HS017	Carbol Fuchsin Kinyoun	Alcohol-acid resistant Mycobacteria (TB)	1000 ml	•	•	•
HS021	Carbol Gentian Violet	Gram positive / negative bacteria	1000 ml	•	•	•
HS013	Crystal Violet	Gram positive / negative bacteria	1000 ml	•	•	•
HS001	Gram PVP	Gram positive / negative bacteria	4 x 250 ml	•	•	•
HS022	Lugol Stabilized with PVP	Gram positive / negative bacteria	1000 ml	•	•	•
HS016	Methylene Blue (Kühne's)	Alcohol-acid resistant Mycobacteria (TB)	1000 ml	•	•	•
HS014	Safranin	Gram positive / negative bacteria	1000 ml	•	•	•
HS018	TB Decolorizer	Alcohol-acid resistant Mycobacteria (TB)	1000 ml	•	•	•
HS002	TB Ziehl - Neelsen Kit	Alcohol-acid resistant Mycobacteria (TB)	3 x 250 ml	•	•	•
Hematology Stains						
HS003	Giemsa	Romanowsky stain	500 ml	•	•	•
HS005	Quick Panoptic Conc (1:10) kit	Romanowsky stain	3 x 100 ml	•	•	•
HS004	May Grünwald	Romanowsky stain	500 ml	•	•	•
HS023	Wright	Romanowsky stain	500 ml	•	•	•
Papanicolaou: Histopathology Stains						
HS006	Harris'Hematoxylin	Dr Montalvo - Dr Meissner	500 ml	•	•	•
HS007	Orange G-6 solution	Dr Montalvo - Dr Meissner	500 ml	•	•	•
HS008	Polychromic solution EA-36	Dr Montalvo - Dr Meissner	500 ml	•	•	•
HS009	Polychromic solution EA-50	Dr Montalvo - Dr Meissner	500 ml	•	•	•
Auxiliary Products						
HS010	Hayem	RBC manual counting	500 ml	•	•	•
HS011	Türk	WBC manual counting	500 ml	•	•	•
HS012	Immersion Oil	for microscopy	100 ml	-	•	•



Blood Grouping



Code	Name	Method				Packing	CE	T°		Test Medium		
		Slide	Tube	Agglutination	Coombs			2 - 8 °C		Serum	Whole blood	Red Blood Cells

Blood Grouping Reagents

401	Anti A	•	•	•		10 ml	-	•		•		•
403	Anti AB	•	•	•		10 ml	-	•		•		•
402	Anti B	•	•	•		10 ml	-	•		•		•
404	Anti D	•	•	•		10 ml	-	•		•		•
409	Anti D Blend (IgM+IgG)	•	•	•	•	10 ml	-	•		•		•
401-4S	Blood grouping Kit (Anti-A, B, AB, D)	•	•	•		4 x 10 ml	-	•		•		•
405	AHG - Anti Human Globulin		•			10 ml	-	•				•
436	BSA - Bovine Albumine 22%		•			10 ml	-	•	•			•
406	BSA - Bovine Albumine 30%		•			10 ml	-	•	•			•
408	L.I.S.S		•			10 ml	-	•	•			•
407	Negative control/diluent	•	•			10 ml	-	•		•		•



Code	Name	Method				Packing	CE	T°		Test Medium		
		Slide	Tube	Agglutination	Coombs			2 - 8 °C		Serum	Whole blood	Red Blood Cells

Blood Grouping Subtypes

420	Anti A1 Dolichos bift. Lectin	•	•	•		5 ml	-	•		•		•
412	Anti C	•	•	•		5 ml	-	•		•		•
413	Anti c	•	•	•		5 ml	-	•		•		•
435	Anti C(w)	•	•	•		5 ml	-	•		•		•
437	Anti CDE	•	•	•		10 ml	-	•		•		•
424	Anti Cellano		•		•	5 ml	-	•				•
430	Anti Co(b)		•		•	2 ml	-	•				•
439	Anti D incomplete	•	•	•	•	10 ml	-	•		•		•
431	Anti Di(a)		•		•	2 ml	-	•				•
410	Anti E	•	•	•		5 ml	-	•		•		•
411	Anti e	•	•	•		5 ml	-	•		•		•
414	Anti Fy(a)		•		•	5 ml	-	•				•
415	Anti Fy(b)		•		•	5 ml	-	•		•		•
438	Anti H (A2)		•			5 ml	-	•				•
440	Anti H (A2) Lectin		•	•		5 ml	-	•				•
416	Anti Jk(a)		•		•	5 ml	-	•				•
417	Anti Jk(b)		•		•	5 ml	-	•				•
423	Anti Kell	•	•	•		5 ml	-	•		•		•
428	Anti Kp(a)		•		•	5 ml	-	•				•
429	Anti Kp(b)		•		•	5 ml	-	•				•
433	Anti Le(a)		•	•		5 ml	-	•				•
434	Anti Le(b)		•	•		5 ml	-	•				•
425	Anti Lu(a)		•		•	5 ml	-	•				•
426	Anti Lu(b)		•		•	5 ml	-	•				•
419	Anti M	•	•	•		5 ml	-	•		•		•
418	Anti N	•	•	•		5 ml	-	•		•		•
441	Anti P1	•	•	•		5 ml	-	•		•		•
421	Anti S		•		•	5 ml	-	•				•
422	Anti s (Monoclonal)		•		•	5 ml	-	•		•		•
432	Anti Wr(a)		•		•	5 ml	-	•				•
427	Anti Xg(a)		•		•	2 ml	-	•				•

Agglutination/Latex Kits

Code	Name	Method	Packing	CE	T°	Sample		Format	
					2 - 8 °C	Serum	Plasma	Slide	Microtitre Plate
22122	ASO	Agglutination test	100 t	•	•	•		•	
22102	CRP	Agglutination test	100 t	•	•	•		•	
22222	Infectious Mononucleosis	Agglutination test	50 t	•	•	•		•	
22112	RF	Agglutination test	100 t	•	•	•		•	
22202	Rose Bengal	Agglutination test	50 t	•	•	•		•	
22152	RPR carbon 150t	Flocculation	150 t	•	•	•	•	•	
22152S	RPR carbon 5 ml	Flocculation	5 ml	•	•	•	•	•	
22152-500	RPR carbon 500t	Flocculation	500 t	•	•	•	•	•	
221920	TPHA	Micro haemagglutination	200 t	•	•	•	•		•
22182	Toxo	Agglutination test	100 t	•	•	•		•	
22172	VDRL	Flocculation	1500 t	•	•	•	•	•	
22162	Waller Rose	Haemagglutination	50 t	•	•	•		•	



Rapid Tests



Code	Name	Packing	CE	T°						Sample						Format	
				15 - 25 °C	2 - 30 °C	4 - 30 °C	8 - 30 °C	10 - 30 °C	Other	Serum	Plasma	Urine	Whole blood	Faeces	Other	Dipstrip	Card

Fertility

132-100	hCG Bulk - Dipstrip	Bulk	•			•						•				•	
132-100/50	hCG - Dipstrip	50 t	•			•						•				•	
132-100/100	hCG - Dipstrip	100 t	•			•						•				•	
132-Mane	hCG Manene kit - Dipstrip	25 t	•			•						•				•	
132-100/4x25	hCG Strip Tube 25t x 4	100 t	•			•				•	•	•				•	
132-200	hCG Bulk - Card	Bulk	•			•				•	•	•					•
132-200/20	hCG - Card	20 t	•			•				•	•	•					•
132-200/50	hCG - Card	50 t	•			•				•	•	•					•
132-200/100	hCG - Card	100 t	•			•				•	•	•					•

Cardiac and Tumor Markers

346	Cardiac Troponin I (cTnl)	25 t	•			•				•	•						•
347	FOB Faecal Occult Blood	20 t	•		•								•				•
343	PSA	25 t	-					•		•	•						•



Code	Name	Packing	CE	T°						Sample						Format	
				15 - 25 °C	2 - 30 °C	4 - 30 °C	8 - 30 °C	10 - 30 °C	Other	Serum	Plasma	Urine	Whole blood	Faeces	Other	Dipstrip	Card

Infectious Diseases

336	Adeno Kit	25 t	•			•								•		•	
172-025	Anti HCV Card	25 t	-					•		•	•						•
172-050/S	Anti HCV Strip	2 x 25 t	-					•		•	•					•	
174-020	Chagas	20 t	•						(1)	•			•			•	
322	Chlamydia Ag	20 t	-			•									(3)		•
339	Crypto Kit	25 t	•			•							•			•	
356	Dengue NS1	25t	•		•					•	•						•
357	Dengue IgG/IgM	25t	•		•					•	•						•
349	Giardia kit	25 t	•			•							•			•	
333	H. Pylori Ab	20 t	•					•		•	•		•				•
142-025	HBsAg Card	25 t	-					•		•	•						•
142-050/S	HBsAg Strip	2 x 25 t	-					•		•	•					•	
354	Hepatitis A Ag	20 t	•		•									•			•
173-040	HIV 1/2	40 t	-				•			•	•		•				•
340	Leishmania Kit	25 t	•	•							•					•	
355	Leptospira IgM	25t	•				•			•	•		•				•
358	Malaria P.f. Antigen	25 t	•		•								•				•
345	Malaria Total (P.f., P.v., P.m., P.o.)	25 t	•						(2)	•	•						•
335	Rota Kit	25 t	•			•								•		•	
337	Strep A	20 t	•			•									(4)		•
353	Syphilis Rapid Test	50 t	•				•			•	•		•				•

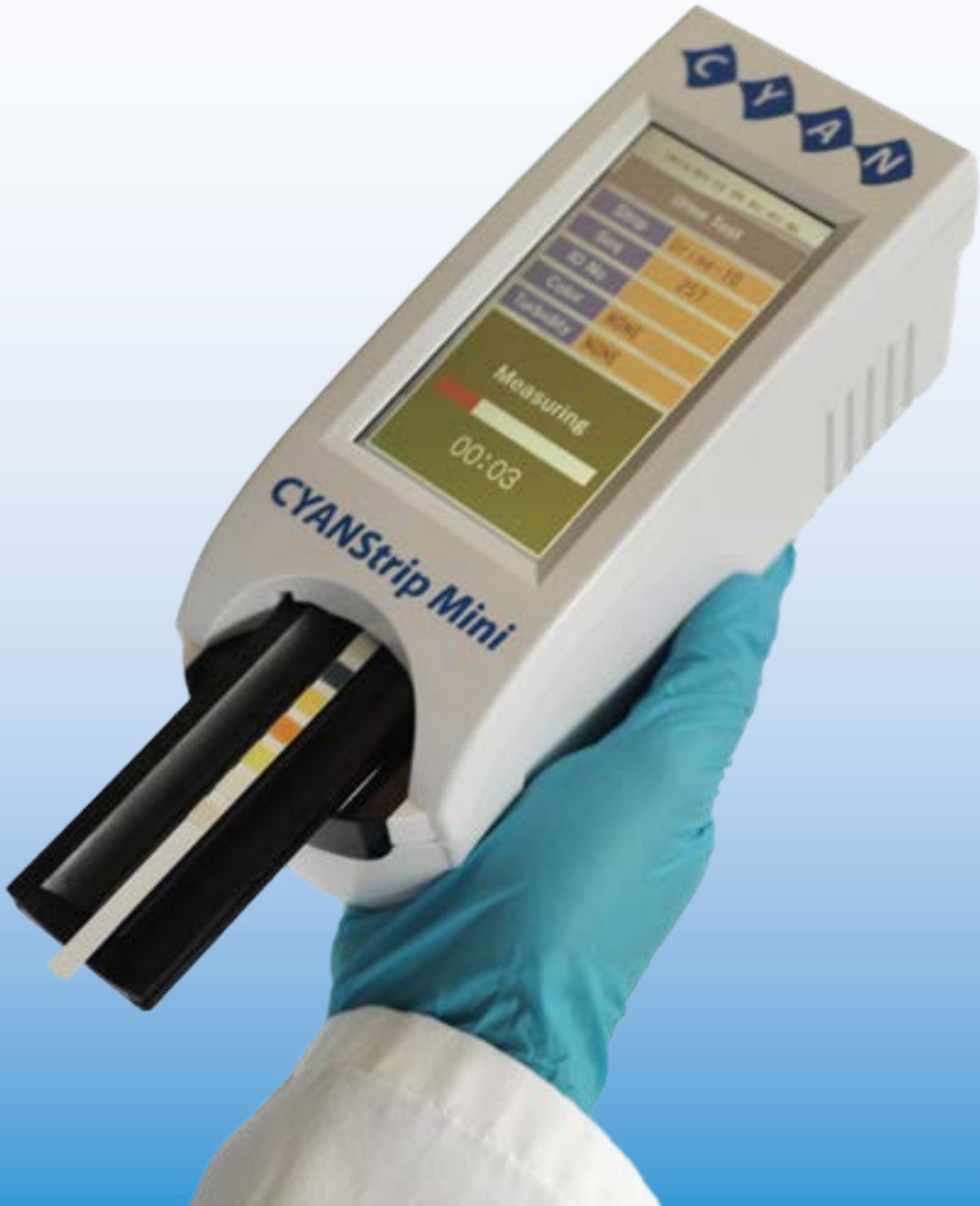
- Notes:
- (1) 20 - 28°C
 - (2) 8 - 40°C
 - (3) Endocervical - Urethral
 - (4) Throat swab test

Bacterial Antigens



Code	Name	Packing	CE	T°	Sample	Detection	
				2 - 8° C	Serum	Tube	Slide
5011	Salmonella Paratyphi AH	5 ml	•	•	•	•	•
5021	Salmonella Paratyphi AO	5 ml	•	•	•	•	•
5031	Salmonella Paratyphi BH	5 ml	•	•	•	•	•
5041	Salmonella Paratyphi BO	5 ml	•	•	•	•	•
5051	Salmonella Paratyphi CH	5 ml	•	•	•	•	•
5061	Salmonella Paratyphi CO	5 ml	•	•	•	•	•
5071	Salmonella Typhi H	5 ml	•	•	•	•	•
5081	Salmonella Typhi O	5 ml	•	•	•	•	•
5091	Brucella Abortus	5 ml	•	•	•	•	•
5092	Brucella Melitensis	5 ml	•	•	•	•	•
5101	Proteus OX2	5 ml	•	•	•	•	•
5111	Proteus OX19	5 ml	•	•	•	•	•
5121	Proteus OXK	5 ml	•	•	•	•	•
5901	Positive control Polyvalent	1 ml	•	•	•	•	•
5902	Negative control Polyvalent	2,5 ml	•	•	•	•	•
BA-Spec	Salmonella Typhi/paratyphi: H,O,AH,AO,BH,BO,CH,CO +Ctrls pos/neg	8x5 ml + Ctrls	•	•	•	•	•

Urine Strips





CYANStrip Mini: Urine Strip Reader

Up to 50 tests/hour

The **CYANStrip Mini** is a portable urine strip reader with a large color touch screen and comprehensive data management software. It provides accurate readings and quick printouts of the results. The **CYANStrip Mini** is one of the few instruments on the market that is able to measure different types of urine strips including microalbumin!

Delivered with a FREE starter kit for 1.000 tests!

Technical Specifications

- General:**

 - Measuring method: reflectance photometer
 - Wavelength: 470, 530, 626 nm
 - Performance in normal mode: 50 tests/h
 - Performance in quick mode: 120 tests/h
 - Memory for up to 2000 samples
 - Reads all Cypress Diagnostics urine strips [including microalbuminuria](#)
 - Large color touch screen (480 x 272 pixels)
- Power:**

 - Battery: 8 batteries, type AAA 1,5 V
 - 12V DC, 3,33 A; 110/220 V - 50/60 Hz
 - Power consumption: 15 W
- Printer:**

 - External thermal printer
 - USB connection
 - 32 characters per line
- Software features:**

 - 16-digit patient identification
 - Data management, graphics and patient follow-up
 - Automatic aggregation and reporting of patient results
 - LIS connectivity
- Order code:**

 - CY011: **CYANStrip Mini**
 - CY011-S02: **CYANStrip Mini - Printer**
- Note:** this is a **closed** system
- Weight and dimensions:**

 - 0,46 kg
 - 18,8 x 7,4 x 7,7 cm (L x W x H)



Urine Strips

Code & Name	Urine 1G	Urine 2AC	Urine 2GK	Urine 2GP	Urine 3	Urine 9	Urine 10
Blood						•	•
Glucose	•		•	•	•	•	•
Protein				•	•	•	•
Creatinine		•					
Microalbumin		•					
Ketone			•			•	•
pH					•	•	•
Bilirubin						•	•
Specific Gravity						•	•
Nitrite						•	•
Urobilinogen						•	•
Leukocytes							•

- General details:**
- Proven performance and accuracy
 - Strong colors
 - No vitamin C interference
 - 100 tests per pack
 - Storage temperature: 2 - 30 °C
 - CE labelled





Microalbuminuria Urine Strips

Microalbuminuria is one of the first signs of diabetic kidney disease. Our Urine-2AC strips helps to detect diabetic kidney disease at an early stage, years before significant damage becomes apparent. Consistently detectable microalbuminuria is also linked to an increased risk of developing progressive kidney failure and cardiovascular disease in the future. Annual screening of microalbuminuria is advised after a diagnosis of diabetes or hypertension.

Urine-2AC strips deliver on-the-spot results of microalbumin to creatinine ratio (CAR). A 24-hour sample collection is therefore no longer required. Urine-2AC strips are readable on the [CYANStrip Mini!](#)

Microalbumin to Creatinine Ratio
The following table is used to obtain the microalbumin to creatinine ratio.

		Creatinine g/L (mmol/L)				
		0,1 (0,9)	0,5 (4,4)	1,0 (8,8)	2,0 (17,7)	3,0 (26,5)
Microalbumin mg/dl (mg/L)	1 (10)	*			Normal	
	3 (30)					
	8 (80)	High Abnormal		Abnormal		
	15 (150)					

* retest

- It lets to:**
- Monitor the situation before proteinuria (high-level kidney disease) develops
 - Measure a clinically meaningful result giving the microalbumin-to-creatinine ratio in a random urine sample
 - Save time and avoid the hassle of a 24-hour urine collection

- Advantages:**
- No 24-hour urine collection required
 - More sensitive and more specific results than with strips designed for general protein testing

- Packing:**
- 50 tests per pack

- Order code:**
- Urine-2AC

Drugs of Abuse

Code	Name	Detection of										Packing	CE	T°	Sample	Format
		MOR	THC	MDMA	MAMP	COC	AMP	BZO	BAR	PCP	MTD			4 - 30 °C	Urine	Card
DOA-2	DOA-2 parameters	•	•									25 t	•	•	•	•
DOA-10	DOA-10 parameters	•	•	•	•	•	•	•	•	•	•	10 t	•	•	•	•



Elisa

Code	Name	Detection of / Method	Packing	CE	T° 2 - 8 °C	Sample		
						Serum	Plasma	Faeces
Fertility Hormone								
HEF01	hCG	Human chorionic gonadotropin	96 t	•	•	•	•	
HEF03	FSH	Follicle stimulating hormone	96 t	•	•	•		
HEF04	LH	Luteinizing Hormone	96 t	•	•	•		
HEF02	SHBG	Sex Hormone binding Globulin	96 t	•	•	•		
Steroid Hormone								
HES01	Cortisol	Cortisol	96 t	•	•	•	•	
HES03	Estradiol	Estradiol	96 t	•	•	•	•	
HES04	Progesterone	Progesterone	96 t	•	•	•	•	
HES05	Total Testosterone	Total Testosterone	96 t	•	•	•		
Thyroid Hormone								
HET01	FT3	Free Triiodothyronine	95 t	•	•	•		
HET02	FT4	Free Thyroxine	96 t	•	•	•		
HET03	T3	Triiodothyronine	96 t	•	•	•		
HET04	T4	Thyroxine	96 t	•	•	•		
HET05	TG IgG	Thyroglobulin IgG	96 t	•	•	•		
HET06	TSH	Thyroid Stimulating Hormone	96 t	•	•	•		
Parasitic Line								
HP003	Amebiasis Ab	Entamoeba histolytica IgG	96 t	•	•	•	•	
HP001	Cysticercosis Ab	Taenia solium IgG	96 t	•	•	•	•	
HP002	Echinococcosis Ab	Echinococcus IgG	96 t	•	•	•		
HP005	Leishmania Ab	Leishmania infantum IgG	96 t	•	•	•		
HP006	Toxocara Ab	Toxocara canis IgG	96 t	•	•	•		
HP004	Trichinella Ab	Trichinella spiralis IgG	96 t	•	•	•		

CYDIS Disinfectants



1



CYDIS Derm

Alcoholic hand and skin disinfectant

CYDIS Derm is suited for hygienic and surgical hand and skin disinfection. Being a combined product for hand and skin, it is very economical to use. CYDIS Derm has no colorants or perfumes. CYDIS Derm is specially recommended for people with allergies or sensitive skin.

Effective against HIV, HAV, HBV, HCV, MRSA, SARS, Ebola, H1N1 and many other

2



CYDIS Surface

Liquid concentrate for surface disinfection and cleaning

CYDIS Surface is a liquid concentrate for disinfecting and cleaning of all kinds of surfaces and medical equipment.

CYDIS Surface is very user-friendly due to its alcohol-free composition, good cleaning properties and short contact time.

This product has also an extended shelf life and is well suited for hotter environments.

3



CYDIS Extra

Disinfectant for surgical instruments and endoscopes

CYDIS Extra is suited for quick and effective disinfection of numerous types of surgical instruments, including endoscopes and other items that are not suitable for autoclaving. It is very economical to use, as it requires low concentrations of the active compound and short exposure times.

For smaller medical facilities, CYDIS Extra is a valid alternative to an autoclave.

Product Highlights:

- Fast acting
- Effective
- Multiple applications
- Convenient dilution ratios
- Low toxicity

Effective Against:

- Bacteria
- Viruses
- Fungi



CYDIS Derm

Alcoholic hand and skin disinfectant

Product specific highlights:

- Hand and skin application
- Does not dry the skin
- No burning feeling
- Suitable for people with allergies and/or sensitive skin
- No toxic agents

CYDIS Surface

Liquid concentrate for surface disinfection and cleaning

- Good cleaning properties
- Short contact time
- Alcohol-free
- Easy to mix
- Low odor

CYDIS Extra

Disinfectant for surgical instruments and endoscopes

- Strong cleaning power
- High degree of material compatibility
- Effective corrosion inhibition

Procedure:

1. Rub CYDIS Derm into dry hands/skin.
2. Expose for the prescribed time. Hands/skin must remain moistened by the product for the complete application time.

1. Dilute one unit of CYDIS Surface with 20 units of water.
2. Start scrubbing and mopping using the two-bucket method.
3. Leave surface wet for 5 minutes.
4. Mop up remaining liquid.

1. Immerse the opened instruments into CYDIS Extra immediately after use. Make sure that every surface and cavity is entirely exposed to the solution.
2. After exposure time, rinse instruments thoroughly with clean, lukewarm distilled water and dry.

Exposure duration:

- Hands:
- Hygienic disinfection: 30 s
 - Surgical disinfection: 3 min
- Skin:
- Injections/Punctures: 15 s
 - Surgery: 1 min

- 5 minutes

- 15 minutes at 2%
- 60 minutes at 1%

Composition (for 100 g):

- 63,1 g isopropanol

- 3,33 g didecyldimethyl-ammoniumchloride
- 6,66 g alkylbenzyl-dimethyl-ammoniumchloride

- 12 g glutaral

Remarks:

- Do not use on open wounds

- 5L of CYDIS Surface will disinfect 2000 m² of floors

- Suitable for procedures using ultrasound
- Effective against bacteria, viruses, fungi and spores
- CYDIS Extra is a valid alternative for autoclave

Order Code:

- CYDIS-D CYDIS Derm 1L + disp.
- CYDIS-Db CYDIS Derm 1L

- CYDIS-S CYDIS Surface 5 L

- CYDIS-E CYDIS Extra 2 L

Equipment

CL001 Vortex

Suitable for mixing the contents of one specimen tube in the laboratory. An adjustable switch allows the unit to operate continuously or by pressing the head of the vortex (press start function).

Choose **CYAN CL001** and get the following advantages:

- Variable control speed
- Compact, robust and durable
- Vibration free
- Fast
- Quiet
- High-quality motor for perfect performance

Technical data:

- Single cup head
- Max. speed: 3000 rpm
- Head cup dimension: 5 x 5 x 2,5 cm (W x D x H)
- Overall dimension: 16 x 13 x 17 cm (W x D x H)
- Gross weight: 3,5 kg
- Power supply: 110 V - 60 Hz (CL001-110)
or 220 V - 50 Hz (CL001-220)

Order code:

- CL001-110: **Vortex** (110 V - 60 Hz)
- CL001-220: **Vortex** (220 V - 50 Hz)



CL002 Rotator

Suitable for mixing larger volumes or for agglutination tests.

Choose **CYAN CL002** and get the following advantages:

- Economical and practical instrument
- Runs at steady and stable speed
- 100 rpm speed is indicated (advised speed for RPR Carbon tests)
- Compact
- Quiet
- Vibration free
- Includes variable speed and timer control
- Platform has an anti-slip pad
- Fixation spring provided for larger objects



Technical data:

- Speed for 0 -1 kg: 20 - 240 rpm
- Speed for 1-2 kg: 20 - 150 rpm
- 0 - 30 minute timer
- Platform dimensions: 23 x 23 cm
- Instrument dimensions: 26 x 29,5 x 14 cm (W x D x H)
- Load capacity: 2 kg
- Orbit diameter: 20 mm
- Gross weight: 3,7 kg
- Power supply: 110 V - 60 Hz (CL002-110)
or 220 V - 50 Hz (CL002-220)



Order code:

- CL002-110: **Rotator** (110 V - 60 Hz)
- CL002-220: **Rotator** (220 V - 50 Hz)

CL003 Blood Cell Counter with 6 Windows

CL004 Blood Cell Counter with 9 Windows

Technical data:

- Numeric range per window: 0 - 999
- Totalizer window: Yes

	CL003	CL004
Number of keys	5	8
Dimension cm (L x W x H)	25 x 8 x 5	32 x 8 x 5
Weight	0,6 kg	0,8 kg

Order Code:

- CL003: **Blood Cell Counter with 6 Windows**
- CL004: **Blood Cell Counter with 9 Windows**



CL007 Roller Mixer

Choose **CYAN CL007** and get the following advantages:

- Safe and quiet instrument
- Ellipsoidal orbit
- Smooth rotation avoids foaming of the samples
- Ideal for maintaining blood sample quality prior to analysis

Technical data:

- Speed: 40 rpm
- Roll dimension: 3 x 32 cm (Ø x length)
- 5 rolls
- Overall dimension: 45,5 x 18 x 9,5 cm (W x D x H)
- Gross weight: 4,85 kg
- Power supply: 110 V - 60 Hz (CL007-110)
or 220 V - 50 Hz (CL007-220)

Order Code:

- CL007-110 **Roller Mixer** (110 V - 60 Hz)
- CL007-220 **Roller Mixer** (220 V - 50/60 Hz)



CL008 Table Top Centrifuge

The **CYAN CL008** Table Top Centrifuge for small labs, is intended for workloads of up to 25 hours per week.

Choose **CYAN CL008** and get the following advantages:

- Safe and quiet instrument
- Time saving quick acceleration and braking system
- Variable control speed
- Compact, robust, and durable
- Almost vibration-free

Technical data:

- Max. speed 6000 rpm
- Fixed rotor at 45° angle
- 30 min timer
- Digital rpm display
- Quick stop brake
- 8 tubes with capacity of 5 - 15 ml
- Overall dimension: 41 x 31,5 x 28 cm (W x D x H)
- Gross weight: 15,5 kg
- Power supply: 110 V - 60 Hz (CL008-110)
or 220 V - 50/60 Hz (CL008-220)

Order Code:

- CL008-110: **Table Top Centrifuge** (110 V - 60 Hz)
- CL008-220: **Table Top Centrifuge** (220 V - 50/60 Hz)

Auxiliary products:

- CL008/9-C: Carbon brush (pair)



CL009 Hematocrit Centrifuge

Determining hematocrit values by centrifugation is the gold standard. Use our hematocrit centrifuge to determine the packed cell volume: PCV
(= erythrocyte volume fraction: EVF).

Choose **CYAN CL009** and get the following advantages:

- Compact, robust, and durable
- Use of standard capillary tubes
- Results in 5 minutes
- Easy to clean if the glass breaks
- Almost vibration-free
- Safe and quiet instrument
- Time saving quick acceleration and braking system
- Clearly visibility of RPM

Technical Data:

- Fixed speed of 12000 rpm (14.810 g)
- Capacity for 24 capillary tubes (1,5 x 75mm; Ø x L)
- Digital timer: 0 - 15 min
- Digital LED display for time and speed
- Overall dimension: 29 x 40 x 26 cm (W x D x H)
- Gross weight: 14,5 kg
- Power supply: 110 V - 60 Hz (CL009-110)
or 220 V - 50/60 Hz (CL009-220)

Accessories included:

- Aluminum hematocrit percentage reader
- Rotor with 24 positions

Order code:

- CL009-110: **Hematocrit Centrifuge** (110 V - 60 Hz)
- CL009-220: **Hematocrit Centrifuge** (220 V - 50/60 Hz)

Auxiliary products:

- CL009-C1: Capillary tubes with heparin 1,5 x 75mm (Ø x L)
- CL009-C2: Capillary tubes plain 1,5 x 75mm (Ø x L)
- CL009-W: Wax for capillary tubes
- CL008/9-C: Carbon brush (pair)
- CL009-R: Hematocrit reader



CL010 Water bath

Choose **CYAN CL010** and get the following advantages:

- Low electricity consumption
- Very stable temperature
- Bath with rounded corners for easier cleaning

Technical Data:

- Unstirred (thermal diffusion)
- Working range: ambient temperature up to 100°C
- Capacity: 10 liters
- PID temperature control
- Digital temperature setting
- Digital temperature readout
- Stability: +/- 0,2 °C
- Inner tank dimensions: 24 x 30 x 15 cm (W x D x H)
- Overall dimensions: 29 x 40 x 24 cm (W x D x H)
- Gross weight: 8,5 kg
- Overheating protection
- Power: 500 W
- Power supply: 110 V – 60 Hz (CL010-110)
or 220 V – 50/60 Hz (CL010-220)

Accessories included:

- Flat cover for water bath

Order code:

- CL010-110: **Water bath** (110 V – 60 Hz)
- CL010-220: **Water bath** (220 V – 50/60 Hz)

Auxiliary products:

- CL010-R Test tube rack 50 places

CL011 Incubator

Choose **CYAN CL011** and get the following advantages:

- Low electricity consumption
- Very stable temperature
- Excellent thermal isolation
- Easy to clean
- Easy to program
- Visual alarm indicator
- Adjustable shelf height

Accessories included:

- 2 vertically adjustable shelves



Technical Data:

- Working range: ambient + 5 °C up to 70 °C
- Precision of temperature control: +/- 0,3°C at 37°C
+/- 0,4°C at 70°C
- Capacity: 30 liters
- Natural convection
- PID temperature control
- Double doors (samples visible through an acrylic door)
- Overheating protection
- Double wall
- Fiberglass insulation
- Stainless steel interior
- Chamber dimensions: 32,5 x 31 x 31,5 cm (W x D x H)
- Overall dimensions: 42,5 x 42 x 61 cm (W x D x H)
- Weight: 23 kg
- Power: 300 W
- Power supply: 110 V – 60 Hz (CL011-110)
or 220 V – 50/60 Hz (CL011-220)

Order code:

- CL011-110: **Incubator** (110 V – 60 Hz)
- CL011-220: **Incubator** (220 V – 50/60 Hz)



CL012N Dry Autoclave with timer

Choose **CYAN CL012N** and get the following advantages:

- Low electricity consumption
- Very stable temperature
- Excellent thermal isolation
- Easy to clean
- Easy to program
- Visual alarm indicator
- Adjustable shelf height
- Programmable autoclaving time
- Timer only starts when the set temperature is reached

Technical Data:

- Working range: ambient + 5 °C up to 200 °C
- Precision of temperature control: +/- 0,5 °C at 100 °C
+/- 1,0 °C at 200 °C
- Capacity: 50 liters
- Natural convection
- PID temperature control
- Overheating protection
- Double-wall fiberglass insulation
- Stainless steel interior
- Double glass window
- Chamber dimensions: 38 x 36,5 x 39 cm (W x D x H)
- Overall dimensions: 48 x 47,5 x 69,5 cm (W x D x H)
- Weight: 32 kg
- Power: 1000 W
- Power supply: 110 V – 60 Hz (CL012-110)
or 220 V – 50/60 Hz (CL012-220)



- Accessories included:
- 2 vertically adjustable shelves

- Order code:
- CL012N-110: [Dry Autoclave with timer](#) (110 V- 60 Hz)
 - CL012N-220: [Dry Autoclave with timer](#) (220 V – 50/60 Hz)

CL014 Magnetic Stirrer

Choose the **CYANCL014** and get the following advantages::

- Variable control speed
- Compact, robust and durable
- Vibration free
- Quiet
- High-quality motor for perfect performance
- High adhesive rubber feet



- Technical Data:
- Speed: 150 - 2000 rpm
 - Stirring capacity: 100 - 2000ml
 - Platform dimensions: 8,2 x 9,3 cm
 - Dimensions:11,5 x 19,5 x 8,95 cm (W x D x H)
 - Weight: 0,77 kg
 - Power supply: 110 – 220 V – 50/60 Hz

- Accessories included:
- CL014-C1: Stirring bar 2,5 x 1 cm
 - CL014-C2: Stirring bar 4 x 1 cm

- Order code:
- CL014: [Magnetic stirrer](#)
 - CL014-C1: Stirring bar 2,5 x 1 cm
 - CL014-C2: Stirring bar 4 x 1 cm

Microscope

CM001 CYANScope

The **CYANScope** biological microscope brings superior optics to your laboratory. It was designed and tested to be the right choice for your laboratory. It will guide you efficiently through malaria identification and your other diagnoses.

Choose **CYANScope** and get the following advantages:

- Extra wide field eyepieces
- The light source is continuously adjustable with a halogen lamp
- The main body is made of aluminum alloy, the structure is stable and easy to carry
- A safety lever prevents objectives colliding with the slides
- Comfortable observation with adjustable interpupillary distance
- Direct access to the lamp, for easy replacements



Technical data:

Condenser	Abbe condenser, NA = 1,25
Eyepiece	Extra Wide Field 20 mm, 10x
Illumination	6V 20W halogen lamp + 1 spare bulb
Interpupillary distance	48 - 75 mm
Focusing	Coaxial coarse and fine adjustment moving range: 20 mm fine division: 0,002 mm
Objective	Infinitive semi-plan objectives: 4x; 10x; 40x; 100x
Power supply	110/220 V - 50/60 Hz
Nose	Quadruple nosepiece
Stage	Mechanical stage stage plate: 140 x 140 mm moving range: 75 x 50 mm
Size	390 x 200 x 400 mm (L x W x H) - base: 260 x 200 mm (L x W)
Viewing head	Siedorpf binocular head; 30° inclined
Viewing height	392 mm



Objective specifications:

Magnification	Numerical Aperture	Focal Length (mm)	Working Length (mm)	Objective
4x	0,10	45,30	17,00	dry
10x	0,25	17,96	6,00	dry
40x	0,65	4,50	0,37	dry
100x	1,25	1,81	0,13	oil

Eyepiece specifications:

Eyepiece	Magnification	Focal Length (mm)	Field of View (mm)
Extra Wide Field plan eyepiece	10x	25	φ22

Accessories included:

- Filter (light blue, green)
- Replacement bulb
- Immersion oil
- 2 spare fuses
- Dust cover
- 4 lenses (4x, 10x, 40x, 100x)

Order Code:

- CM001: [CYANScope](#)

Auxiliary products:

- CM001-S10: Kit phase contrast
- CM001-S11: Dark field condenser



Liquid Handling

The [CYANPipettes](#) line was our first step into providing precision equipment for laboratories around the world. Handling liquids is the first step in many diagnoses, so it is clear that precision in pipetting is one of the key factors in achieving a higher level of quality. That encouraged us to create a new range of pipettes priced to be in range for all labs, providing the precision and accuracy to satisfy the most stringent requirements.

Technical background:

The [CYANPipettes](#) are piston-driven air displacement pipettes. Piston-driven air displacement pipettes are the most accurate and precise pipettes.

Quality:

All [CYANPipettes](#) have been quality tested to ISO 8655/ DIN 12650. Quality control according to ISO 8655/DIN 12650 involves gravimetric testing of each pipette with distilled water (quality 3, DIN ISO 3696) at 22°C using the manufacturer's original tips ([CYANTips](#)).

Contents of the packages:

- Pipette
- Performance certificate according to DIN E-12650-7
- Calibration/opening tool
- Grease
- Instructions for use
- Pipette holder

Single Channel - Fixed Volume - Pipettes

Code	Volume	Inaccuracy	Imprecision
PS0005	5 µl	1,30 %	1,20 %
PS0010	10 µl	0,80 %	0,80 %
PS0020	20 µl	0,60 %	0,50 %
PS0025	25 µl	0,50 %	0,30 %
PS0050	50 µl	0,50 %	0,30 %
PS0100	100 µl	0,50 %	0,30 %
PS0200	200 µl	0,40 %	0,20 %
PS0250	250 µl	0,40 %	0,20 %
PS0500	500 µl	0,30 %	0,20 %
PS1000	1000 µl	0,30 %	0,20 %
PS2000	2000 µl	0,30 %	0,15 %
PS5000	5000 µl	0,30 %	0,15 %



Extra:

- Pipette stand - order code: PSX

Single Channel - Variable Volume - Pipettes

Code	Volume Range	Increment	Precision Data		
			Volume	Inaccuracy	Imprecision
PS00001	0,1 - 2,5 µl	0,05 µl	2,5 µl	2,50 %	2,00 %
			1,25 µl	3,00 %	3,00 %
			0,25 µl	12,00 %	6,00 %
PS00005	0,5 - 10 µl	0,1 µl	10 µl	1,00 %	0,80 %
			5 µl	1,50 %	1,50 %
			1 µl	2,50 %	1,50 %
PS00050	5 - 50 µl	0,5 µl	50 µl	0,60 %	0,30 %
			25 µl	0,90 %	0,30 %
			5 µl	2,00 %	2,00 %
PS00100	10 - 100 µl	1 µl	100 µl	0,80 %	0,15 %
			50 µl	1,00 %	0,40 %
			10 µl	3,00 %	1,50 %
PS00200	20 - 200	1 µl	200 µl	0,60 %	0,15 %
			100 µl	0,80 %	0,30 %
			20 µl	3,00 %	1,00 %
PS00500	50 - 200 µl	1 µl	200 µl	0,60 %	0,15 %
			100 µl	0,80 %	0,30 %
			50 µl	1,00 %	0,40 %
PS01000	100 - 1000 µl	5 µl	1000 µl	0,60 %	0,20 %
			500 µl	0,70 %	0,25 %
			100 µl	2,00 %	0,70 %
PS10000	1 - 5 ml	50 µl	5 ml	0,50 %	0,15 %
			2,5 ml	0,60 %	0,30 %
			1 ml	0,70 %	0,30 %



Multi-Channel - Variable Volume - Pipettes

Code	Channels	Volume Range	Increments	Precision Data		
				Volume	Inaccuracy	Imprecision
PM00005	8	0,5 - 10 µl	0,1 µl	10 µl	1,50 %	1,50 %
				5 µl	2,50 %	2,50 %
				1 µl	4,00 %	4,00 %
PM00050	8	5 - 50 µl	0,5 µl	50 µl	1,00 %	0,50 %
				25 µl	1,50 %	1,00 %
				5 µl	3,00 %	2,00 %
PM00500	8	50 - 300 µl	5 µl	300 µl	0,70 %	0,25 %
				150 µl	1,00 %	0,50 %
				50 µl	1,50 %	0,80 %
PM12005	12	0,5 - 10 µl	0,1 µl	10 µl	1,50 %	1,50 %
				5 µl	2,50 %	2,50 %
				1 µl	4,00 %	4,00 %
PM12050	12	5 - 50 µl	0,5 µl	50 µl	1,00 %	0,50 %
				25 µl	1,50 %	1,00 %
				5 µl	3,00 %	2,00 %
PM12300	12	50 - 300 µl	5 µl	300 µl	0,70 %	0,25 %
				150 µl	1,00 %	0,50 %
				50 µl	1,50 %	0,80 %

CYANTips

Code	Volume range	Packing	Compatible with
PT0001	0,5 - 10 µl (crystal)	Bag of 1000 pcs	Gilson Pipetman/Ultra; Labmate; Socorex Acura/Calibra
PT0010	1 - 200 µl (yellow)	Bag of 1000 pcs	Biohit Proline/m-Line; Brand Transferpette; Eppendorf Research/Reference; Finnpiquette Digital/Focus; Gilson Pipetman/Ultra; Labmate; Socorex Acura/Calibra
PT0100	100 - 1000 µl (blue)	Bag of 1000 pcs	Biohit Proline/m-Line; Brand Transferpette; Eppendorf Research/Reference; Finnpiquette Digital/Focus; Gilson Pipetman/Ultra; Labmate; Socorex Acura/Calibra
PT1000	1 - 5 ml	Bag of 300 pcs	Biohit Proline/m-Line; Labmate; Socorex Acura





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